

The Scilab Consortium

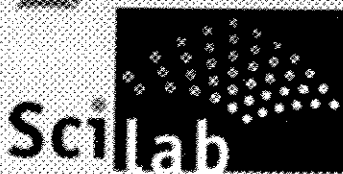
Scilab 4

**The
Open
Source
Alternative
for
Numerical
Computation**

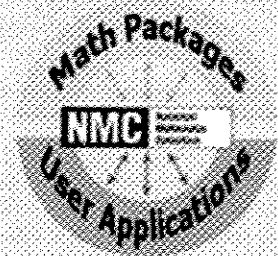


New Scilab 4
released in
February 2006

***Still faster
Unix 64 bits compatible
Improved Graphic Editor
New powerful graphics functions
Excel files now importable
Java interface
New TCL/TK interface***

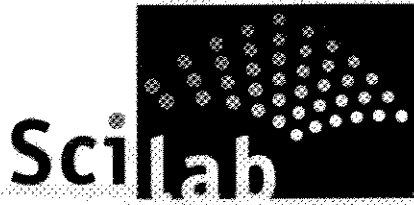


A software produced by The Scilab Consortium



www.nmconsortium.org

Inria is a founding member of the Numerical Mathematics Consortium (NMC), a non-profit organization committed to establishing mathematical semantics standard for numerical algorithm development



A Free Scientific Software Package

+ 200,000
installed seats
worldwide
+ 15,000
remote
loadings
each month

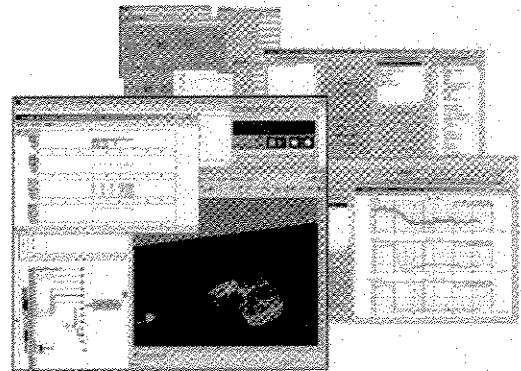
Scilab is a scientific software package for numerical computations providing a powerful open computing environment for engineering and scientific applications.

Scilab was developed since 1990 by **INRIA**¹ and **ENPC**². Since 1994 it has been distributed freely along with the source code via the Internet. It is currently used in educational and industrial environments around the world. Scilab is now the responsibility of the Scilab Consortium, launched in May 2003. There are currently 20 members in Scilab Consortium³.

Scilab includes hundreds of mathematical functions with the possibility to add interactively programs from various languages (FORTRAN, C, C++, JAVA...). It has sophisticated data structures (including lists, polynomials, rational functions, linear systems...), an interpreter and a high level programming language. Scilab has been conceived to be an open system where the user can define new data types and operations on these data types.

A number of toolboxes are available with the system:

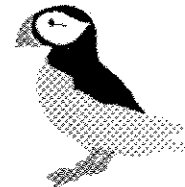
- 2-D and 3-D graphics, animation
- Linear algebra, sparse matrices
- Polynomials and rational functions
- Simulation: explicit and implicit systems of differential equations solvers
- Scicos: hybrid dynamic systems modeler and simulator
- Classic and robust control, LMI optimization
- Differentiable and non-differentiable optimization
- Signal processing
- Graphs and networks
- Parallel Scilab using PVM
- Statistics
- Interface with Computer Algebra (Maple, MuPAD)
- Interface with TCL/TK



A large number of contributions for various domains can be downloaded from Scilab Web site.

Scilab works under Windows 9X/2000/XP, GNU/Linux, and most UNIX systems. Binary versions for these systems are freely available, along with source code.

Web site: www.scilab.org
Newsgroup: comp.soft-sys.math.scilab
Contact: Scilab@inria.fr



¹ The French National Institute for Research in Computer Science and Control.

² École Nationale des Ponts et Chaussées.

³ ANAGRAM TECHNOLOGIES, APPEDGE, AXS INGENIERIE, CEA, CNES, CRIL TECHNOLOGY, DASSAULT AVIATION, ECOLE POLYTECHNIQUE, EADS, EDF, ENPC, ESTEREL TECHNOLOGIES, IFP, INRIA, KLIPPEL, PSA PEUGEOT CITROËN, RENAULT, STYREL TECHNOLOGIES, THALES and TNI.